

Amendments to the Claims:

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A channel selection device used in a digital/analog broadcasting receiver comprising: [[,]]

a receiver for receiving an encoded digital/analog broadcasting signal originated from a broadcasting station,

a digital/analog decoder for decoding the digital/analog broadcasting signal received from the receiver and then outputting the signal to a display device for displaying an image,

a memory for storing channel information contained in the broadcasting signal decoded by the digital decoder,

a control unit for controlling the sections of the receiver, and an input device for inputting a user's instruction for channel selection to the control unit,

wherein the device receives a digital broadcast and an analog broadcast which are originated through different channels, the digital broadcast has, in one main channel, one or a plurality of sub-channels for originating contents therethrough, the sub-channels are assigned virtual channels headed by the same channel number as the main channel in the analog broadcast and the control unit controls the device such that the receiver receives the broadcasting

signal of a selected channel upon reception of the channel selection instruction from the input device, and the digital decoder decodes the received broadcasting signal, in order to obtain the channel information contained in the decoded broadcasting signal and then store the channel information in the memory;
~~characterized in that, and~~

wherein the input device includes an UP/DOWN key for instructing the control unit to select a sub-channel adjacent in upward/downward direction in the same main channel,

wherein the control unit
references the channel information stored in the memory to thereby select an upward/downward adjacent sub-channel in the main channel through which a broadcast is being received currently, each time the UP/DOWN key is operated;

selects a sub-channel having the largest sub-channel number, when receiving the instruction by the UP key and not finding an upward adjacent channel in the main channel with reference to the channel information,

selects a sub-channel having the smallest sub-channel number, when receiving the instruction by the DOWN key and not finding a downward adjacent channel in the main channel with reference to the channel information.

2. (Currently Amended) A channel selection device used in a digital/analog broadcasting receiver comprising: [[,]]

a receiver for receiving an encoded digital/analog broadcasting signal
originated from a broadcasting station,

a digital/analog decoder for decoding the digital/analog broadcasting signal
received from the receiver and then outputting the signal to a display device for
displaying an image,

a memory for storing channel information contained in the broadcasting
signal decoded by the digital decoder,

a control unit for controlling the sections of the receiver, and an input device
for inputting a user's instruction for channel selection to the control unit,

wherein the device receives a digital broadcast and an analog broadcast
which are originated through different channels, the digital broadcast has, in one
main channel, one or a plurality of sub-channels for originating contents
therethrough, the sub-channels are assigned virtual channels headed by the
same channel number as the main channel in the analog broadcast, and the
control unit controls the device such that the receiver receives the broadcasting
signal of a selected channel upon reception of the channel selection instruction
from the input device and the digital decoder decodes the received broadcasting
signal, in order to obtain the channel information contained in the decoded
broadcasting signal and then store the channel information in the memory;
~~characterized in that, and~~

wherein the input device includes an operation key for instructing the control unit to select a sub-channel adjacent in upward/downward direction in the same main channel,

wherein the control unit references the channel information stored in the memory to thereby select an upward/downward adjacent sub-channel in the main channel through which a broadcast is being received currently, each time the operation key is operated, and

wherein the control unit searches the main channel ~~in reception~~ currently received in ~~circulation or~~ reciprocation for the sub-channel to be selected when there is not the upward/downward adjacent sub-channel in the channel information, wherein the search in reciprocation is a search for an adjacent minor channel in an opposite direction from a direction selected by the operation key.

3. (Original) The channel selection device used in the digital/analog broadcasting receiver according to claim 2, further comprising an OSD (On-Screen Display) output circuit for providing OSD display of a list of the channel information stored in the memory in such a state that the digital and analog broadcasts thereof are mixed, on the display device wherein the list of the channel information is displayed in a vertically/horizontally arranged state in order of channel number, and a cursor for selecting the channels as interlocked

with the instruction by use of the operation key is indicated in the list of the channels displayed on the display device in an OSD manner.

4. (Original) The digital/analog broadcasting receiver equipped with the channel selection device according to claim 2, for receiving a digital broadcast according to the ATSC (Advanced Television Systems Committee) standard and an analog broadcast according to the NTSC (National Television Systems Committee) Standard.

5. (New) The channel selection device of claim 1, wherein the input device includes a second UP key and a second DOWN key, wherein the second UP and DOWN keys instruct the control unit to select a main channel and the UP and DOWN keys instruct the control unit to select sub-channels.

6. (New) The channel selection device of claim 1, wherein in a first mode of a switch-over configuration the UP and DOWN keys instruct the control unit to select a main channel and in a second mode of the switch-over configuration the UP and DOWN keys instruct the control unit to select a sub-channel.

7. (New) The channel selection device of claim 2, wherein the operation key is dedicated to instructing the control unit to select a sub-channel.

8. (New) The channel selection device of claim 2, wherein in a first mode of a switch-over configuration the operation key instructs the control unit to select a main channel and in a second mode of the switch-over configuration the operation key instructs the control unit to select a sub-channel.

9. (New) A method for channel selection, the method comprising the acts of:

receiving a sub-channel selection instruction to select a subchannel of a main channel;

determining whether the sub-channel selection command is an UP or DOWN selection instruction;

selecting a sub-channel having the largest sub-channel number when the received sub-channel selection instruction is an UP instruction and an upward adjacent channel is not found in the main channel; and

selecting a sub-channel having the smallest sub-channel number when the received sub-channel selection instruction is a DOWN instruction and a downward adjacent channel is not found in the main channel.